PATENT ABSTRACTS OF JAPAN

(11) Publication number:

2004-085512

(43) Date of publication of application: 18.03.2004

(51) Int. CI.

GO1N 21/90 G01B 11/30

(21) Application number : 2002-250309

(71) Applicant: TOYO GLASS CO LTD

(22) Date of filing:

29, 08, 2002

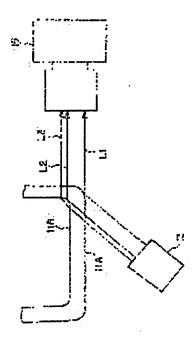
(72) Inventor : TAKIZAWA TSUTOMU

(54) DEFECT DETECTOR, AND DEFECT INSPECTION METHOD

(57) Abstract:

PROBLEM TO BE SOLVED: To detect a defect in a bent part such as a skirt corner part of a glass container.

SOLUTION: In this defect detector, a projector 13 is arranged in a position where one part of irradiation light is reflected on an outer face 11A in the skirt corner part of the glass container, and where one part of the irradiation light is incident into the skirt corner part to be reflected on an inner face 11B of the bent part. An imaging device 15 is arranged in a position to photo-receive reflected light L1 on the outer face 11A in the skirt corner part and reflected light L2 on the inner face 11B. The presence of the defect is inspected based on an image picked up by the imaging device 15.



LEGAL STATUS

[Date of request for examination]

14, 01, 2003

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]
[Date of extinction of right]

Copyright (C); 1998, 2003 Japan Patent Office

JP 2004-85512

(19) 日本回**特許庁(JP)**

(12) 公 閱 特 許 公 報(A)

(11) 特許出願公[

特期20

(P2X

(43) 公時日 平成16年3月18日(5

(51) int.Cl. ⁷	FI		テーマコード じ
GO 1 N 21/90	GOIN 2	1/90 A	2F065
GO 1 B 11/30	GOIB 1	1/30 H	2G051
	GOIB I	1/30 Z	

器査端束 有 満束項の数 4 〇L

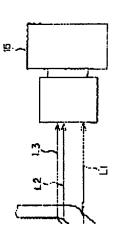
(21) 出願指号 (22) 出願日	特願2002-250309 (P2002-250309) 平成14年8月29日 (2002.8.29)	(71) 出願人	(0002222222222222222222222222222222222			. 5.4		
		(74) 代理人	1000	918	23		1) 🖪	3
		(74) 代理人			梅翔 75	耐 之		
		(72) 発明省			郡湖	一江		
			神祭川泉横浜市神祭川区画等場 11 日栄ハイム405			B		
		Fターム (参			OSAA 2	AA48	BB08	BE
					FF42	HH12 PP13	0 000 1103	jj QÇ
							級	路

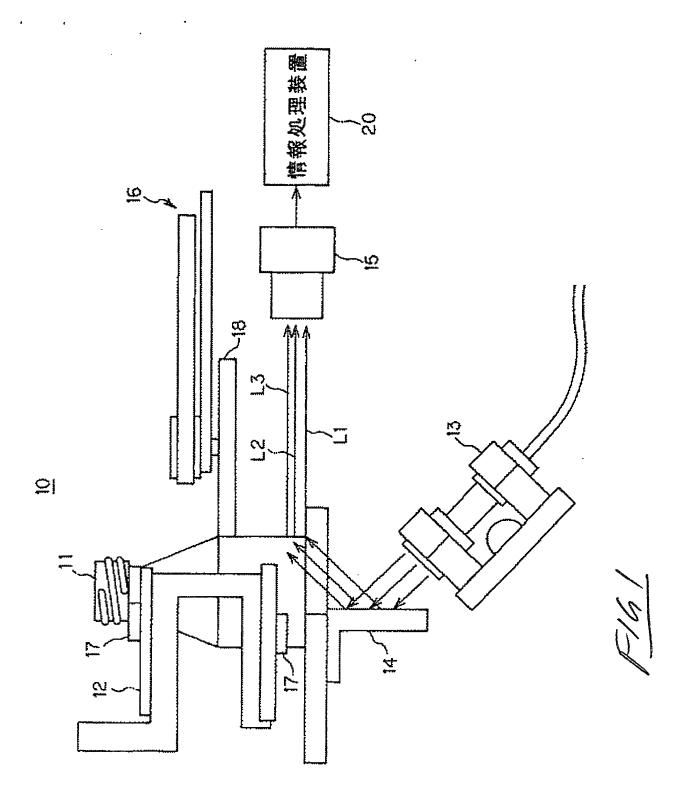
(54) 【発明の名称】欠階検出練置および欠陥競査方法

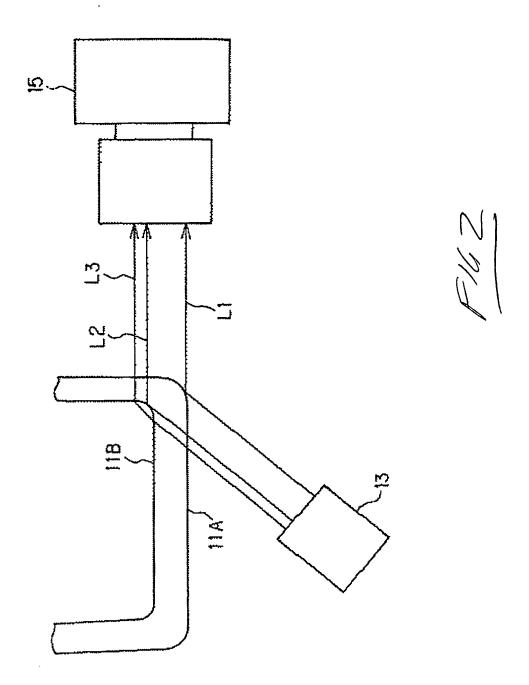
(57)【要約】

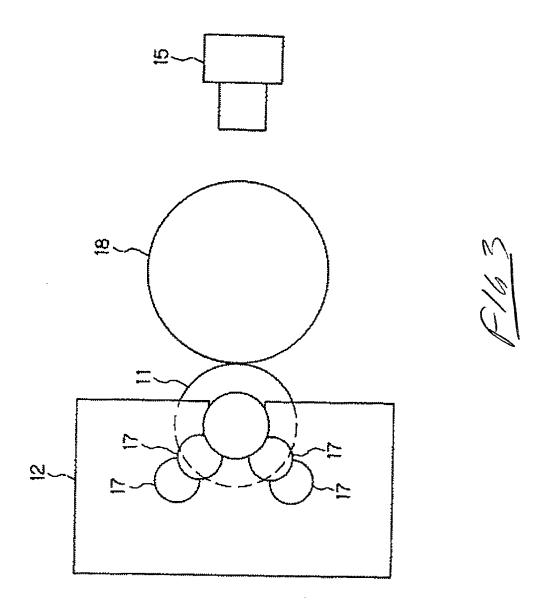
【課題】ガラス容器の鋸コーナ部などの屈曲部の欠陥を 検出することができる欠陥検出装置および欠陥検査方法 を提供する。

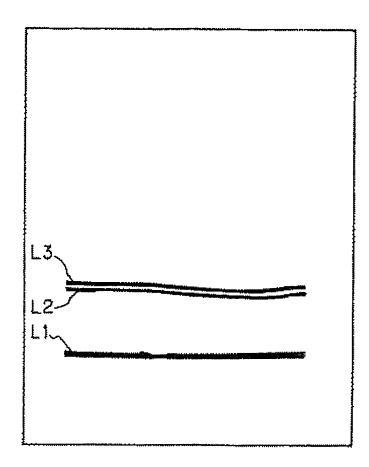
[解決手段] 欠陥検出装置において、投光器13は、照射する光の一部がガラス容器の裾コーナ部の外面11Aで反射され、かつ、照射光の一部が掲コーナ部に入射して屈曲部の内面11Bで反射される位置に配置される。また、操像装置15は、視コーナ部の外面11Aの反射光し1および内面11Bの反射光し2を受光する位置にを開きれる。そして、操像装置15の場影画像に基づい





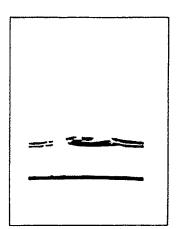






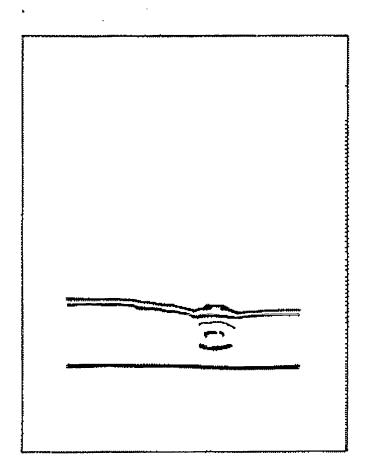
F164

Drawing selection	drawing 5	
		and the second s



F145

[Translation done.]



F146